

Re: Happy Cows Project Update-- Well DC-09

Sheila Fleming

to:

Rene Fuentes

12/15/2012 10:50 AM

Cc:

Eric Winiecki, Jennifer MacDonald, Marie Jennings, Michael Boykin

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From: Sheila Fleming/R10/USEPA/US

To: Rene Fuentes/R10/USEPA/US@EPA,

Cc: Eric Winiecki/R10/USEPA/US@EPA, Jennifer

MacDonald/R10/USEPA/US@EPA, Marie Jennings/R10/USEPA/US@EPA,

Michael Boykin/R10/USEPA/US@EPA

History: This message has been replied to.

Hi Rene. Yeah! Thanks for the update. USGS said there are some semiconfined aquifers in the valley and I guess you found one. I hope the forecasts for snow are wrong. Be careful out there. Try to stay warm.

S-

-----Rene Fuentes/R10/USEPA/US wrote: -----

To: Sheila Fleming/R10/USEPA/US@EPA

From: Rene Fuentes/R10/USEPA/US

Date: 12/15/2012 10:18AM

Cc: Eric Winiecki/R10/USEPA/US@EPA, Jennifer

MacDonald/R10/USEPA/US@EPA, Marie

Jennings/R10/USEPA/US@EPA, Michael Boykin/R10/USEPA/US@EPA

Subject: Re: Happy Cows Project Update-- Well DC-09

All,

Saturday morning in the fresh air and cold (about 32 degrees?) fields waiting for snow later on today. So far no snow but weather channels are pretty consistent that we will get some today sometime.

Now for the good news. Started drilling at about 7:15 am and went down to 196 feet below ground surface before we encountered water.

It was found below some clayey sand unit. The final samples are a very fine sand. It had been dry down to about 187 feet when we got

lots of water. It did what we had read in some of the local well logs from drinking water wells, where it stabilizes above where we locate it. Here the water stabilized at 146 feet below ground surface. It is about 10 am and we will be here building the well for a while, but seems that things are looking up again (compared to yesterday when we had to get more casing and drilling rods and had not found water).

Next we plan to move to Haak area wells rather than to tackle the background well. Now everyone is more tentative as to what deep may mean there.

The good thing is that we have learned much already this week, and the next drillers will have a better idea of what to expect. Today we found two clayey zones, one way above the deeper water zone and then next right over it.

Cheers from the local crew.

René

René Fuentes P.E., P.HG.

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